

VOLTSTAB AUTOMATIC VOLTAGE STABILISERS - PA 500VA, 230Vac 50/60Hz

VoltStab stabilisers offer robust, maintenance free protection for loads that can suffer erratic operation or be damaged by mains power sags, surges and brownouts.



APPLICATIONS

AVS range (Relay based switching) for:

- absorption refrigerators

OPERATION

The built-in processor monitors the incoming mains supply and automatically selects a tap configuration to meet stabilisation and output voltage set points. If the mains supply falls outside pre-set upper or lower voltage limits, VoltStab automatically cuts out to protect the connected load. The stabiliser automatically restarts when the mains supply returns to within the pre-set nominal band.

FEATURES

- Auto transformer with microprocessor controlled no-break output voltage
- Low installation, heat output and running costs - maintenance free
- High Mean Time Between Failure (MTBF)
- Auto restart on mains return to within pre-programmed set-points.
- Start up delay to prevent damage to inductive loads - such as air conditioners, fridges and freezers
- Overload protection - MCB
- Wide input voltage range
- High output correction accuracy
- Fast response time
- Field replaceable PCB
- Easy to install
- Test Report: CATR.A.92071 (1988).
Meets WHO/UNICEF Standard E7/VR.2.

OPTIONS

- Mains voltage and frequency to suit geographic characteristics
- Mains plug and output sockets to suit local needs
- Transient Voltage Surge Suppressor (TVSS) for remote, hostile environments
- Factory programmable set-points including: mains voltage, frequency, switch on time delay and tap voltage limit operation

Models	AVS 500/PA
Rated input voltage	220Vac*
Input voltage range	150-280Vac, max 450V
Continuous Power	500VA
Output voltage	220Vac
Output voltage range	209-231Vac (+/-5%)
Correction speed	>1250Vac per second
Output frequency	50/60Hz mains tracking
Efficiency %	97
Operating temperature	0-40°C, convection cooled
Front panel	Mains present and output neons
Overload protection	Input breaker, cut-out delay 2s, Switch on delay approx 7m
Input supply connections	Mains lead with local plug
Output load connections	1 socket
Safety Standards	CE marked, EN60742, EN60950
Metal case rating	IP21
Case colour	RAL7035

* Other voltage configurations on application

Model No	Power [^]	Dimensions WxDxHmm	Weight (kg)
AVS 500/PA	500VA	190 x 260x 160	7.1

[^] Units are rated at unity power factor, VA=Watts